STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/530,106
Source: PCT/10
Date Processed by STIC: 4/12/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):** U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street. Alexandria, VA 22314

Revised 01/24/05

PCT

RAW SEQUENCE LISTING DATE: 04/12/2005
PATENT APPLICATION: US/10/530,106 TIME: 10:20:31

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\04122005\J530106.raw

<110> APPLICANT: Hooft Van Huijsduijnen, Rob
Walchli, Sebastien
<120> TITLE OF INVENTION: Use of protein tyrosine phosphatase inhibitors for
vention and/or
treatment of cancer
<130> FILE REFERENCE: SLII-P01-003
<140> CURRENT APPLICATION NUMBER: US/10/530,106
<141> CURRENT FILING DATE: 2005-04-01
<160> NUMBER OF SEQ ID NOS: 34
<170> SOFTWARE: PatentIn version 3.1
<210> SEQ ID NO: 1
<211> LENGTH: 1115
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 1

Does Not Comply
Corrected Diskette Needed

pp 6-7

Met Ala Gly Ala Gly Gly Gly Leu Gly Val Trp Gly Asn Leu Val Leu
1 5 10 15
Leu Gly Leu Cys Ser Trp Thr Gly Ala Arg Ala Pro Ala Pro Asn Pro
20 25 30
Gly Arg Asn Leu Thr Val Glu Thr Gln Thr Thr Ser Ser Ile Ser Leu
35 40 45
Ser Trp Glu Val Pro Asp Gly Leu Asp Ser Gln Asn Ser Asn Tyr Trp
50 55 60
Val Gln Cys Thr Gly Asp Gly Gly Thr Thr Glu Thr Arg Asn Thr Thr
65 70 75 80
Ala Thr Asn Val Thr Val Asp Gly Leu Gly Pro Gly Ser Leu Tyr Thr
85 90 95
Cys Ser Val Trp Val Glu Lys Asp Gly Val Asn Ser Ser Val Gly Thr
100 105 110
Val Thr Thr Ala Thr Ala Pro Asn Pro Val Arg Asn Leu Arg Val Glu
115 120 125
Ala Gln Thr Asn Ser Ser Ile Ala Leu Thr Trp Glu Val Pro Asp Gly
130 135 140
Pro Asp Pro Gln Asn Ser Thr Tyr Gly Val Glu Tyr Thr Gly Asp Gly
145 150 155 160
Gly Arg Ala Gly Thr Arg Ser Thr Ala His Thr Asn Ile Thr Val Asp
165 170 175
Gly Leu Glu Pro Gly Cys Leu Tyr Ala Phe Ser Met Trp Val Gly Lys
180 185 190
Asn Gly Ile Asn Ser Ser Arg Glu Thr Arg Asn Ala Thr Thr Ala His
195 200 205
Asn Pro Val Arg Asn Leu Arg Val Glu Ala Gln Thr Thr Ser Ser Ile
210 215 220
Ser Leu Ser Trp Glu Val Pro Asp Gly Thr Asp Pro Gln Asn Ser Thr

RAW SEQUENCE LISTING DATE: 04/12/2005
PATENT APPLICATION: US/10/530,106 TIME: 10:20:31

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\04122005\J530106.raw

```
94 225                 230                 235                 240
97 Tyr Cys Ile Gln Cys Thr Gly Asp Gly Gly Arg Thr Glu Thr Arg Asn
98                 245                 250                 255
101 Thr Thr Asp Thr Arg Val Thr Val Asp Gly Leu Gly Pro Gly Ser Leu
102             260                 265                 270
105 Tyr Thr Cys Ser Val Trp Val Glu Lys Asp Gly Val Asn Ser Ser Val
106         275                 280                 285
109 Glu Ile Val Thr Ser Thr Thr Ala Pro Asn Pro Val Arg Asn Leu Thr
110     290                 295                 300
113 Val Glu Ala Gln Thr Asn Ser Ser Ile Ala Leu Thr Trp Glu Val Pro
114 305                 310                 315                 320
117 Asp Gly Pro Asp Pro Gln Asn Ser Thr Tyr Gly Val Glu Tyr Thr Gly
118                 325                 330                 335
121 Asp Gly Gly Arg Ala Gly Thr Arg Ser Thr Ala His Thr Asn Ile Thr
122             340                 345                 350
125 Val Asp Arg Leu Glu Pro Gly Cys Leu Tyr Val Phe Ser Val Trp Val
126         355                 360                 365
131 Gly Lys Asn Gly Ile Asn Ser Ser Arg Glu Thr Arg Asn Ala Thr Thr
132     370                 375                 380
135 Ala Pro Asn Pro Val Arg Asn Leu His Met Glu Thr Gln Thr Asn Ser
136 385                 390                 395                 400
139 Ser Ile Ala Leu Cys Trp Glu Val Pro Asp Gly Pro Tyr Pro Gln Asp
140                 405                 410                 415
143 Tyr Thr Tyr Trp Val Glu Tyr Thr Gly Asp Gly Gly Gly Thr Glu Thr
144             420                 425                 430
147 Arg Asn Thr Thr Asn Thr Ser Val Thr Ala Glu Arg Leu Glu Pro Gly
148         435                 440                 445
151 Thr Leu Tyr Thr Phe Ser Val Trp Ala Glu Lys Asn Gly Ala Arg Gly
152     450                 455                 460
155 Ser Arg Gln Asn Val Ser Ile Ser Thr Val Pro Asn Ala Val Thr Ser
156 465                 470                 475                 480
159 Leu Ser Lys Gln Asp Trp Thr Asn Ser Thr Ile Ala Leu Arg Trp Thr
160                 485                 490                 495
163 Ala Pro Gln Gly Pro Gly Gln Ser Ser Tyr Ser Tyr Trp Val Ser Trp
164             500                 505                 510
167 Val Arg Glu Gly Met Thr Asp Pro Arg Thr Gln Ser Thr Ser Gly Thr
168         515                 520                 525
171 Asp Ile Thr Leu Lys Glu Leu Glu Ala Gly Ser Leu Tyr His Leu Thr
172     530                 535                 540
175 Val Trp Ala Glu Arg Asn Glu Val Arg Gly Tyr Asn Ser Thr Leu Thr
176 545                 550                 555                 560
179 Ala Ala Thr Ala Pro Asn Glu Val Thr Asp Leu Gln Asn Glu Thr Gln
180                 565                 570                 575
183 Thr Lys Asn Ser Val Met Leu Trp Trp Lys Ala Pro Gly Asp Pro His
184             580                 585                 590
187 Ser Gln Leu Tyr Val Tyr Trp Val Gln Trp Ala Ser Lys Gly His Pro
188         595                 600                 605
191 Arg Arg Gly Gln Asp Pro Gln Ala Asn Trp Val Asn Gln Thr Ser Arg
192     610                 615                 620
```

RAW SEQUENCE LISTING DATE: 04/12/2005
PATENT APPLICATION: US/10/530,106 TIME: 10:20:31

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\04122005\J530106.raw

```
195 Thr Asn Glu Thr Trp Tyr Lys Val Glu Ala Leu Glu Pro Gly Thr Leu
196 625                 630                 635                 640
199 Tyr Asn Phe Thr Val Trp Ala Glu Arg Asn Asp Val Ala Ser Ser Thr
200                 645                 650                 655
203 Gln Ser Leu Cys Ala Ser Thr Tyr Pro Asp Thr Val Thr Ile Thr Ser
204             660                 665                 670
207 Cys Val Ser Thr Ser Ala Gly Tyr Gly Val Asn Leu Ile Trp Ser Cys
208         675                 680                 685
211 Pro Gln Gly Gly Tyr Glu Ala Phe Glu Leu Glu Val Gly Gly Gln Arg
212     690                 695                 700
215 Gly Ser Gln Asp Arg Ser Ser Cys Gly Glu Ala Val Ser Val Leu Gly
216 705                 710                 715                 720
219 Leu Gly Pro Ala Arg Ser Tyr Pro Ala Thr Ile Thr Thr Ile Trp Asp
220                 725                 730                 735
223 Gly Met Lys Val Val Ser His Ser Val Val Cys His Thr Glu Ser Ala
224             740                 745                 750
227 Gly Val Ile Ala Gly Ala Phe Val Gly Ile Leu Leu Phe Leu Ile Leu
228         755                 760                 765
231 Val Gly Leu Leu Ile Phe Phe Leu Lys Arg Arg Asn Lys Lys Lys Gln
232     770                 775                 780
235 Gln Lys Pro Glu Leu Arg Asp Leu Val Phe Ser Ser Pro Gly Asp Ile
236 785                 790                 795                 800
239 Pro Ala Glu Asp Phe Ala Asp His Val Arg Lys Asn Glu Arg Asp Ser
240                 805                 810                 815
243 Asn Cys Gly Phe Ala Asp Glu Tyr Gln Gln Leu Ser Leu Val Gly His
244             820                 825                 830
247 Ser Gln Ser Gln Met Val Ala Ser Ala Ser Glu Asn Asn Ala Lys Asn
248         835                 840                 845
251 Arg Tyr Arg Asn Val Leu Pro Tyr Asp Trp Ser Arg Val Pro Leu Lys
252     850                 855                 860
255 Pro Ile His Glu Glu Pro Gly Ser Asp Tyr Ile Asn Ala Ser Phe Met
256 865                 870                 875                 880
259 Pro Gly Leu Trp Ser Pro Gln Glu Phe Ile Ala Thr Gln Gly Pro Leu
260                 885                 890                 895
263 Pro Gln Thr Val Gly Asp Phe Trp Arg Leu Val Trp Glu Gln Gln Ser
264             900                 905                 910
267 His Thr Leu Val Met Leu Thr Asn Cys Met Glu Ala Gly Arg Val Lys
268         915                 920                 925
271 Cys Glu His Tyr Trp Pro Leu Asp Ser Gln Pro Cys Thr His Gly His
272     930                 935                 940
275 Leu Arg Val Thr Leu Val Gly Glu Glu Val Met Glu Asn Trp Thr Val
276 945                 950                 955                 960
279 Arg Glu Leu Leu Leu Leu Gln Val Glu Glu Gln Lys Thr Leu Ser Val
280                 965                 970                 975
283 Arg Gln Phe His Tyr Gln Ala Trp Pro Asp His Gly Val Pro Ser Ser
284             980                 985                 990
287 Pro Asp Thr Leu Leu Ala Phe Trp Arg Met Leu Arg Gln Trp Leu Asp
288         995                 1000                1005
291 Gln Thr Met Glu Gly Gly Pro Pro Ile Val His Cys Ser Ala Gly
```

RAW SEQUENCE LISTING DATE: 04/12/2005
PATENT APPLICATION: US/10/530,106 TIME: 10:20:31

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\04122005\J530106.raw

```
292     1010                1015                1020
295 Val Gly  Arg Thr Gly Thr Leu  Ile Ala Leu Asp Val  Leu Leu Arg
296     1025                1030                1035
299 Gln Leu  Gln Ser Glu Gly Leu  Leu Gly Pro Phe Ser  Phe Val Arg
300     1040                1045                1050
303 Lys Met  Arg Glu Ser Arg Pro  Leu Met Val Gln Thr  Glu Ala Gln
304     1055                1060                1065
307 Tyr Val  Phe Leu His Gln Cys  Ile Leu Arg Phe Leu  Gln Gln Ser
308     1070                1075                1080
311 Ala Gln  Ala Pro Ala Glu Lys  Glu Val Pro Tyr Glu  Asp Val Glu
312     1085                1090                1095
315 Asn Leu  Ile Tyr Glu Asn Val  Ala Ala Ile Gln Ala  His Lys Leu
316     1100                1105                1110
319 Glu Val
320     1115
323 <210> SEQ ID NO: 2
325 <211> LENGTH: 20
327 <212> TYPE: DNA
329 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
335 <223> OTHER INFORMATION: Primer
337 <400> SEQUENCE: 2
338 ccagctcacc atggatgatg                                          20
341 <210> SEQ ID NO: 3
343 <211> LENGTH: 22
345 <212> TYPE: DNA
347 <213> ORGANISM: Artificial Sequence
351 <220> FEATURE:
353 <223> OTHER INFORMATION: Primer
355 <400> SEQUENCE: 3
356 ccttaatgtc acgcacgatt tc                                       22
359 <210> SEQ ID NO: 4
361 <211> LENGTH: 20
363 <212> TYPE: DNA
365 <213> ORGANISM: Artificial Sequence
369 <220> FEATURE:
371 <223> OTHER INFORMATION: Primer
373 <400> SEQUENCE: 4
374 catgctgacc aactgcatgg                                          20
377 <210> SEQ ID NO: 5
379 <211> LENGTH: 20
381 <212> TYPE: DNA
383 <213> ORGANISM: Artificial Sequence
387 <220> FEATURE:
389 <223> OTHER INFORMATION: Primer
391 <400> SEQUENCE: 5
392 gcgagtccag aggccagtaa                                          20
395 <210> SEQ ID NO: 6
397 <211> LENGTH: 20
```

RAW SEQUENCE LISTING DATE: 04/12/2005
PATENT APPLICATION: US/10/530,106 TIME: 10:20:31

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\04122005\J530106.raw

399 <212> TYPE: DNA
401 <213> ORGANISM: Artificial Sequence
405 <220> FEATURE:
407 <223> OTHER INFORMATION: Primer
409 <400> SEQUENCE: 6
410 gcgagtccag aggccagtaa 20
413 <210> SEQ ID NO: 7
415 <211> LENGTH: 20
417 <212> TYPE: DNA
419 <213> ORGANISM: Artificial Sequence
423 <220> FEATURE:
425 <223> OTHER INFORMATION: Primer
427 <400> SEQUENCE: 7
428 catgctgacc aactgcatgg 20
431 <210> SEQ ID NO: 8
433 <211> LENGTH: 22
435 <212> TYPE: DNA
437 <213> ORGANISM: Artificial Sequence
441 <220> FEATURE:
443 <223> OTHER INFORMATION: Primer
445 <400> SEQUENCE: 8
446 gatgggattt ccattgatga ca 22
449 <210> SEQ ID NO: 9
451 <211> LENGTH: 18
453 <212> TYPE: DNA
455 <213> ORGANISM: Artificial Sequence
459 <220> FEATURE:
461 <223> OTHER INFORMATION: Primer
463 <400> SEQUENCE: 9
464 ccacccatgg caaattcc 18
467 <210> SEQ ID NO: 10
469 <211> LENGTH: 21
471 <212> TYPE: DNA
473 <213> ORGANISM: Artificial Sequence
477 <220> FEATURE:
479 <223> OTHER INFORMATION: Primer
481 <400> SEQUENCE: 10
482 cctagtccca gggctttgat t 21
485 <210> SEQ ID NO: 11
487 <211> LENGTH: 22
489 <212> TYPE: DNA
491 <213> ORGANISM: Artificial Sequence
495 <220> FEATURE:
497 <223> OTHER INFORMATION: Primer
499 <400> SEQUENCE: 11
500 ctgtgctccc actcctgatt tc 22
503 <210> SEQ ID NO: 12
505 <211> LENGTH: 13
507 <212> TYPE: PRT

<210> 32

<211> 20

<212> DNA

<213> Artificial sequence

needs explanation — see p. 7

<400> 32
gcgcgctagc cacttcggaa 20

7

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/12/2005
PATENT APPLICATION: US/10/530,106 TIME: 10:20:32

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\04122005\J530106.raw

of explanation

of <220> Feature(NEW RULES):
ience(s) are missing the <220> Feature and associated headings.
of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
Unknown". Please explain source of genetic material in <220> to <223>
tion (See "Federal Register," 6/01/98, Vol. 63, No. 104,pp.29631-32)
c.1.823 of new Rules)

#:32

VERIFICATION SUMMARY DATE: 04/12/2005
PATENT APPLICATION: US/10/530,106 TIME: 10:20:32

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\04122005\J530106.raw

7 M:270 C: Current Application Number differs, Replaced Current Application No
7 M:271 C: Current Filing Date differs, Replaced Current Filing Date
79 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:32, <213>
ANISM:Artificial sequence
79 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:32, <213>
ANISM:Artificial sequence
79 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:32,Line#:879